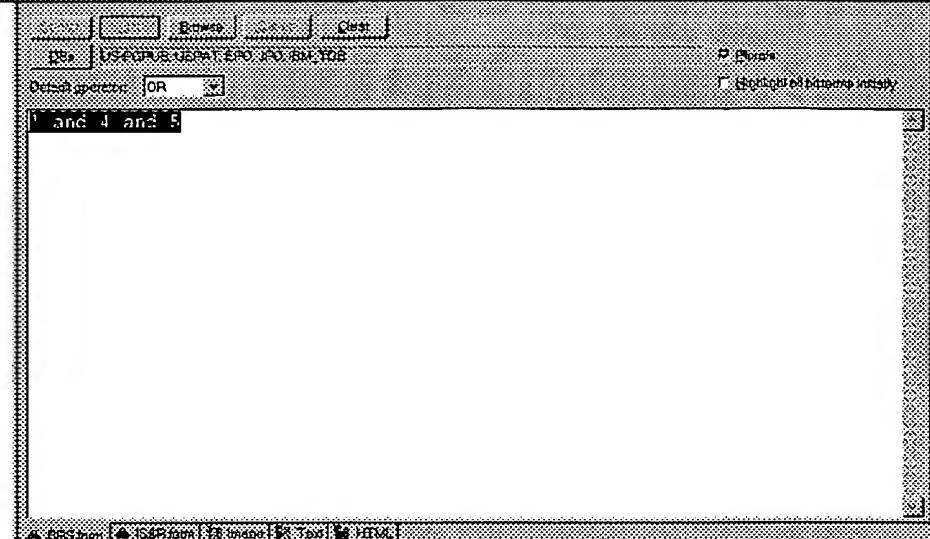


- Drafts
- Pending
- Active
 - L1: (120656) disk adj1 drive
 - L2: (134) "lower ferromagnetic layer"
 - L3: (1094) "second ferromagnetic layer"
 - L4: (1171) 2 or 3
 - L5: (310050) heater
 - L6: (3) 1 and 4 and 5
- Failed
- Saved
- Favorites
- Tagged (0)
- UDC
- Queue
- Trash



U	Document ID	Issue Date	Pages	Title	Current OR	Current IR	Retrieval	Inventor	S	C	O	R	B
1	E US 20040234818	20041125	28	Perpendicular magnetic recording medium... manuf...	428/694TM	428/694T		Tanahashi, Kiwamu et.al.	<input checked="" type="checkbox"/>				
2	E US 20040233565	20041125		Perpendicular magnetic recording medium... and...	360/66	360/59		Arai, Reiko et al.	<input checked="" type="checkbox"/>				
3	E US 20040071923	20040415		Method for thermally-assisted reco...	428/65.3			Fullerton, Eric E. et.al.	<input checked="" type="checkbox"/>				
4	E US 20030108721	20030612		Thermally - assisted magnetic recording disk...	428/195.1	428/694TM		Fullerton, Eric E. et.al.	<input checked="" type="checkbox"/>				
5	P US 6834026 B2	20041221		Method for thermally-assisted reco...	369/13.1	369/13.42; 369/275.2		Fullerton, Eric E. et.al.	<input checked="" type="checkbox"/>				

② Drafts

② Pending

② Active

- ② L1: (120656) disk adj1 drive
- ② L2: (134) "lower ferromagnetic layer"
- ② L3: (1094) "second ferromagnetic layer"
- ② L4: (1171) 2 or 3
- ② L5: (310050) heater
- ② L6: (5) 1 and 4 and 5
- ② L7: (4777) ferromagnetic adj1 layer
- ② L8: (2980675) plural or plurality
- ② L9: (152) 8 adj5 7
- ② L10: (0) 9 and 5 and 1
- ② L11: (46) 1 and 4 and 7

② Failed

Document ID	Date	Page	Title	Current	Office	Current	Office	Relevant
1	US 20040265570	200411230	Vertical magnetic recording medium, its manufacturing and apparatus	428/328	428/337			Takahashi, Migaku et.al.
2	US 20040234818	20041125	28 Perpendicular magnetic recording medium, manufacturing and apparatus	428/694TM	428/694T			Tanahashi, Kiwamu et.al.
3	US 20040233565	20041125	24 Perpendicular magnetic recording medium, manufacturing and apparatus	360/66	360/59			Arai, Reiko et.al.
4	US 20040212909	20041028	Method and apparatus for read error recovery	360/66	360/53;			Naka, Hiroyuki
5	US 20040211569	20041028	Installation and use of removable heaters in a 'Thermal spring'	166/380				Vinegar, Harold J. et.al.
6	US 20040185306	20040923	magnetic recording media	428/694TM	360/131			Coffey, Kevin Robert et.al.
7	US 20040071923	20040415	10 Method for thermally-assisted recovery	428/65.3				Fullerton, Eric E. et.al.
8	US 20040040715	20040304	In situ production of a blending agent from a magnetic recording media and magnetic storage media	166/302				Wellington, Scott Lee et.al.
9	US 20030218834	20031127	Magnetic recording media and magnetic storage media	360/313	360/135			Kanbe, Tetsuya et.al.
10	US 2003021113	20031113	Magnetic recording media and magnetic recording media	428/694TS	428/611			Kanbe, Tetsuya et.al.
11	US 20030211364	20031106	In situ recovery from lean and rich zones in hydrocarbon-containing media	166/302				Wellington, Scott Lee et.al.
12	US 20030205378	20031030	In situ recovery from a hydrocarbon-containing media	166/53	702/12			Karanikas, John Michael et.al.
13	US 20030201098	20031023	Treatment of a hydrocarbon-containing media	166/300				Vinegar, Harold J. et.al.
14	US 20030196810	20031023	In situ thermal processing of a hydrocarbon-containing media	166/263				Vinegar, Harold J. et.al.
15	US 20030196801	20031023	In situ thermal processing of a hydrocarbon-containing media	166/64				Wellington, Scott Lee et.al.
16	US 20030196789	20031023	Producing hydrocarbons	166/57				Vinegar, Harold J. et.al.

0 Drafts

Number	Document ID	Issue Date	Pages	Title	Current OR	Current XN	Notational	Inventor	S	C	P	R	S	Y
11	P	US 20030196789	20031023	In situ thermal processing of a hydrocarbon and non-hydrocarbon com	166/64			Wellington, Scott Lee et.al.	<input checked="" type="checkbox"/>					
16	P	US 20030196788	20031023	In situ thermal recovery from a hydrocarbon containing oil	166/57			Vinegar, Harold J. et.al.	<input checked="" type="checkbox"/>					
17	P	US 20030192693	20031016	In situ thermal processing of a hydrocarbon	166/267			Wellington, Scott Lee	<input checked="" type="checkbox"/>					
18	P	US 20030192691	20031016	In situ recovery from a hydrocarbon containing oil	166/250.12			Vinegar, Harold J. et.al.	<input checked="" type="checkbox"/>					
19	P	US 20030183390	20031002	Methods and systems for heating a hydrocarbon	166/302			Veenstra, Peter et al.	<input checked="" type="checkbox"/>					
20	P	US 20030178191	20030925	In situ recovery from a keroen and liquid hydrocarbon	166/65.1			Maher, Kevin Albert et.al.	<input checked="" type="checkbox"/>					
21	P	US 20030173085	20030918	Upgrading and mining of coal	166/302	299/14		Vinegar, Harold J. et.al.	<input checked="" type="checkbox"/>					
22	P	US 20030173082	20030918	In situ thermal processing of a heavy oil	166/272.2			Vinegar, Harold J. et.al.	<input checked="" type="checkbox"/>					
23	P	US 20030173081	20030918	In situ thermal processing of an oil re	166/272.1			Vinegar, Harold J. et.al.	<input checked="" type="checkbox"/>					
24	P	US 20030173072	20030918	Forming openings in a hydrocarbon containing	166/66.5			Vinegar, Harold J. et.al.	<input checked="" type="checkbox"/>					
25	P	US 20030155111	20030821	In situ thermal processing of a tar sand	166/59			Vinegar, Harold J. et.al.	<input checked="" type="checkbox"/>					
26	P	US 20030807	20030807	Magnetic recording medium and magnetic rec	428/694TS	428/694BM;		Kanbe, Tetsuya et al.	<input checked="" type="checkbox"/>					
27	P	US 20030108721	20030612	Thermally - assisted magnetic recording disk	10	428/195.1	428/694TM	Fullerton, Eric E. et.al.	<input checked="" type="checkbox"/>					
28	P	US 20020192506	20021219	'Thermal Spring' magnetic recording medi		428/694TM		Coffey, Kevin Robert et.al.	<input checked="" type="checkbox"/>					
29	P	US 20020191320	20021219	Thermally assisted magnetic recording syst		360/59	360/78.04	Coffey, Kevin Robert et.al.	<input checked="" type="checkbox"/>					
30	P	US 20020107946	20021017	Magnetic recording media and magnetic reco		428/694TS		Kanbe, Tetsuya et al.	<input checked="" type="checkbox"/>					
31	P	US 20020018920	20020214	Magnetic recording medium and magnetic rec		428/694TS		Yamamoto, Tomoo et al.	<input checked="" type="checkbox"/>					
32	P	US 20010927	20010927	Magnetic recording media and magnetic stor		428/694TS		Kanbe, Tetsuya et al.	<input checked="" type="checkbox"/>					
33	P	US 6834026	20041221	Method for thermally assisted reco	10	369/13.1	369/13.42; 369/275.2;	Fullerton, Eric E. et.al.	<input checked="" type="checkbox"/>					
34	P	US 6830837	20041214	Magnetic recording medium and magnetic rec	B2	428/694TM	428/611;	Kanbe, Tetsuya et al.	<input checked="" type="checkbox"/>					
35	P	US 6830824	20041214	Magnetic recording medium with multiple ma	B2	428/611	369/13.38; 428/667;	Kikitsu, Akira et al.	<input checked="" type="checkbox"/>					
36	P	US 6596420	20030722	Magnetic recording media and magnetic reco	B2	428/694TS	428/611; 428/667;	Kanbe, Tetsuya et al.	<input checked="" type="checkbox"/>					
37	P	US 6574060	20030603	Magnetic storage apparatus	B2	360/55	360/313; 428/694R;	Kanbe, Tetsuya et al.	<input checked="" type="checkbox"/>					
38	P	US 6403240	20020611	Magnetic recording media and magnetic reco	B1	428/694TS	360/131; 365/173;	Kanbe, Tetsuya et al.	<input checked="" type="checkbox"/>					
39	P	US 6307720	20011023	Thin film magnetic head		360/313	360/126	Hayakawa, Yasuo	<input checked="" type="checkbox"/>					

Number	Document ID	Issue Date	Pages	Title	Current C1	Current A1	Patent	Inventor	C1	C2	C3	C4	C5
22	P	US 20030173082	20030918	In situ thermal processing of a heavy oil	166/272.2			Vinegar, Harold J. et al.	P	P	P	P	P
23	P	US 20030173081	20030918	In situ thermal processing of an oil containing	166/272.1			Vinegar, Harold J. et al.	P	P	P	P	P
24	P	US 20030173072	20030918	Forming openings in a hydrocarbon containing	166/66.5			Vinegar, Harold J. et al.	P	P	P	P	P
25	P	US 20030155111	20030821	In situ thermal processing of a tar sand	166/59			Vinegar, Harold J. et al.	P	P	P	P	P
26	P	US 20030148143	20030807	Magnetic recording medium and magnetic recording	428/694TS	428/694BM; 428/694R; 428/694TM		Kanbe, Tetsuya et al.	P	C	C	C	C
27	P	US 20030108721	20021219	Thermally - assisted magnetic recording disk	428/195.1	428/694TM		Fullerton, Eric B. et al.	P	P	P	P	P
28	P	US 20020192506	20021219	'Thermal Spring' magnetic recording media	428/694TM			Coffey, Kevin Robert et.al.	P	C	C	C	C
29	P	US 20020191320	20021219	Thermally assisted magnetic recording media	360/59	360/78.04		Coffey, Kevin Robert et.al.	P	P	P	P	P
30	P	US 20020150796	20021017	Magnetic recording media and magnetic recording	428/694TS			Kanbe, Tetsuya et al.	P	C	C	C	C
31	P	US 20020018920	20020214	Magnetic recording medium and magnetic recording	428/694TS			Yamamoto, Tomoo et al.	P	P	P	P	P
32	P	US 20010927	20010927	Magnetic recording media and magnetic storage	428/694TS			Kanbe, Tetsuya et al.	P	P	P	P	P
33	P	US 6834026	20041221	Method for thermally-assisted recording	369/13.1	369/13.42; 369/275.2; 428/611; 428/667; 428/3361		Fullerton, Eric E. et al.	P	P	P	P	P
34	P	US 6830837	20041214	Magnetic recording medium and magnetic recording	428/694TM	428/611; 428/667; 428/3361		Kanbe, Tetsuya et al.	P	P	P	P	P
35	P	US 6830824	20041214	Magnetic recording medium with multiple media	428/611	369/13.38; 428/667; 428/3361		Kikitsu, Akira et al.	P	C	C	C	C
36	P	US 6596420	20030722	Magnetic recording media and magnetic recording	428/694TS	428/611; 428/667; 428/694R; 428/3361		Kanbe, Tetsuya et al.	P	P	P	P	P
37	P	US 6574060	20030603	Magnetic storage apparatus	360/55	360/313; 428/667; 428/694R; 428/3361		Kanbe, Tetsuya et al.	P	C	C	C	C
38	P	US 6403240	20020611	Magnetic recording media and magnetic recording	428/694TS	360/131; 365/173; 360/313		Kanbe, Tetsuya et al.	P	P	P	P	P
39	P	US 6307720	20011023	Thin film magnetic head	360/313	360/126		Hayakawa, Yasuo	P	C	C	C	C
40	P	US 6275028	20010814	Methods for initializing and/or reading	324/210	29/603.08; 324/228; 427/131; 427/132; 51		Matsui, Takao et al.	P	P	P	P	P
41	P	US 6221508	20010424	Magnetic recording media	428/617	257/E43.00		Kanbe, Tetsuya et al.	P	P	P	P	P
42	P	US 5585986	19961217	Digital magnetoresistive sensor	360/324	257/E43.00		Parkin, Stuart S. P.	P	P	P	P	P
43	P	US 5583727	19961210	Multiple data layer magnetic recording data	360/324	360/135; 360/55; 51		Parkin, Stuart S. P.	P	P	P	P	P
44	P	US 5447781	19950905	Magnetoresistance film and method of manufacture	428/212	257/E43.00		Kano, Hiroshi et al.	P	C	C	C	C
45	P	US 4560624	19851224	Magnetic recording media with a dual probe	428/632	428/621; 428/660		Guttner, Christine et al.	P	P	P	P	P